## REFERENCES

- 1. Butler, G., <u>Influence of Water Movement on Corrosion -</u>
  Ferrous Materials, Corrosion Technology, Vol. 8, No. 1,
  January 1961, pp. 5-7.
- 2. Fukui, Saburo, and Mizuguchi, Sakae, <u>Corrosion of Painted Plate in Sea Water</u>, Corrosion Engineering, Vol. 11, No. 7, July 1962, pp. 289-294.
- 4. Kuznetsov, S. I., and Pantskhava, E. S., <u>Increase of the Electrochemical Corrosion Caused by Methane Generating Bacteria</u>, Doklady Akademii Nauk SSR, Vol. 139, February 1961, pp. 478-480.
- 7. Schwerdtfeger, W. J., <u>Corrosion Rates of Ferrous Alloys</u>
  (Fe-Cr and Fe-Cr-Si) <u>Measured by Polarization Technique</u>,
  Corrosion, Vol. 19, No. 1, January 1963, pp. 17t-25t.
- 20. Schwerdtfeger, W. J., and Manuele, Raul J., <u>Coatings</u>
  Formed on Steel by Cathodic Protection and Their Evaluation by Polarization Measurements, Corrosion, Vol. 19, No. 2, February 1963, pp. 59t-68t.
- 21. Sakano, Takeshi, and Toda, Kazuo, <u>Studies on Al-Zn-In</u>
  <u>Alley Anode for Cathodic Protection</u>, Corrosion Engineering,
  Vol. 11, Ne. 11, November 1962, pp. 486-492.
- 36. Mayne, J. E. O., <u>The Corrosion of Iron and Steel</u>, J.O.C.C.A., Vel. 45, No. 4, April 1962, pp. 243-250.
- 41. Straughan, C. F., How to Coat In-Place Lines with Plastic Film, World Oil, Vol. 156, No. 5, April 1963, pp. 120-121.
- 43. Kamiyama, Keizo, Studies on the Atmospheric Corrosion Metals and Anti-Corrosive Coatings in Japan, Report I, Part 5, The Atmospheric Corrosion of Metals and Anti-Corrosive Coatings from the Meteorological Point of View, (In Japanese), Corrosion Engineering, Vol. 12, No. 2, February 1963, pp. 91-100.
- 48. Parker, Marshall E., The Uses of Pipeline Coating Conductance Measurements, Presented at the National Association of Corrosion Engineers 23rd Annual Conference in Los Angeles, March 1967.
- 57. Vrable, J. B., Some Observations on the Relationships of Cathodic Current Density to Area on Cathodically Protected Pipelines, Presented at the National Association of Corrosion Engineers 23rd Annual Conference in Los Angeles, March 1967.

<sup>\*</sup>The numbers correspond to the abstract numbers for the literature search abstracts and are not related to the order of appearance in the text. Only those referred to in the text are listed here.

- 60. Flagler, H. M., and Webb, J. B., <u>The Pearson Holiday</u>
  <u>Detector, Coating Inspection on Buried Pipelines</u>, Materials
  Protection, Vol. 6, No. 7, 1967, p. 33.
- 69. Parker, Marshall E., <u>Cathodic Protection</u>, Materials Protection, Vol. 5, No. 12, December 1966, p. 9.
- 75. Tudor, S., and Ticker, A., <u>Lead Alloy Anodes for Cathodic Protection Various Electrolytes</u>, <u>Materials Protection</u>, Vol. 3, No. 1, January 1964, pp. 52-59.
- 76. Heuze, B., A New Technique of Cathodic Protection Based on Adjustment of the Quantity of Electricity to the Potential, Paper from "First International Congress on Metallic Corrosion," Butterworth, London, 1962, pp. 394-399.
- 77. Pierce, J. W., Report on Pipeline Practice by an ASCE Division Task Force, Civil Engineering, Vol. 33, No. 8, August 1363, pp. 34-37.
- 82. Dunkley, F. G., Quality in the Protection of Iron and Steel Structures from Corrosion, Proceedings of the Eighth FATIPEC Congress, Scheveningen, June 1966, pp. 75-83.
- 83. <u>Primers Protect Steel</u>, South African Paint Research Institute, C.S.I.R. Annual Report 21, 1965.
- 85, Hoertel, F. W., <u>Use of Depleted Uranium for Cathodic Protection</u>, Report of Investigations No. 6285, U. S. Department of the Interior, Bureau of Mines, Washington, D. C., 1963.
- 95. Takeshima, Shin-ichi, Ota, Motohisa, and Tamari, Shoichi, Cathodic Protection by Means of Al Alloy Anodes, Corrosion Engineering, Vol. 13, No. 5, May 1964, pp. 208-214.
- 99. Schnock, A., Cathodic Protection of Lock Gates and the Hulls of Boats. The Choice of Coatings Compatible with Their Application, Third Congress European Corrosion Federation, Brussels, June 1963.
- 102. Kruger, Jerome, Room Temperature Oxidation of Iron at Low Pressures, Corrosion, Vol. 20, No. 1, January 1964, pp. 29t-33t.
- 105. The Function of Zinc Anodes for Cathodic Protection and Earthing of Storage Tanks, (In French), Zinc, Cadmium et Alliages (France), No. 33, March 1963, pp. 26-28.
- 1.0. Matthewman, W., Automation in Cathodic Protection, Corrosion Science, Vol. 6, No. 8, August 1966, pp. 385-388.
- 128. Underwater Coating Use. Three Factors to Consider in Coatings Selection, Materials Protection, Vol. 6, No. 1, 1967, p. 28.

- 131. Vrable, J. B., <u>Protecting Underground Steel Tanks.</u> <u>Modified Cathodic Protection</u>, <u>Materials Protection</u>, <u>Vol. 6</u>, <u>No. 8</u>, 1967, p. 31.
- 137. Felipe, L. A. Rubio, The Cathodic Protection of Steels Submerged in River Water, Revista Metalurgia, Vol. 2, 1966, pp. 303-308.
- 138. Beaton, John L., Spellman, Donald L., and Stratfull, R. F., Corrosion of Steel in Continuously Submerged Reinforced Concrete Piling, M/R-635116, PB-173819, Presented at the 46th Annual Meeting of the Highway Research Board, January-1967.
- 140. Clark, F., Pipeline Construction and Inspection, Australasian Corrosion Engineering, Vol. 12, No. 7, July 1968.
- 142. Sears, E. C., Comparison of the Soil Corrosion Resistance of Ductile Iron Pipe and Gray Cast Iron Pipe, American Cast Iron Pipe Company, Birmingham, Alabama, Materials Protection, Vol. 7, October 1968, p. 33.
- 143. Subramanyan, N., Rajagopalan, K. S., and Sunrarajan, D., Cathodic Protection Engineering. I Design of Cathodic Protection System for Regulator Gates, Indian Journal of Technology, Vol. 5, No. 10, 1967, pp. 310-314.
- 144. Kupfova, J., Problems of Steel Surface Corrosion Prevention by Means of Plasticized Polyvinyl Chloride Coatings, Plast. Hmoty Kauc., Vol. 4, No. 6, 1967, pp. 161-167.
- 146. Hatley, H. M., Cathodic Protection of Pipelines: A Deep Hole Groundbed, Anti-Corrosion Methods and Materials, Vol. 15, June 1968, pp. 11-12.
- 149. Fukutani, Eiji, Kakehi, Takehiko, and Umino, Takehito, Corrosion of Underground Hot Water Pipeline, Corrosion Engineering, Vol. 17, No. 4, 1968.
- 150. Holland, R., Modern Cathodic Protection Practice, Engineer, London, Vol. 225, February 1968, pp. 210-213.
- 152. Oshis, Z. F., Lepin, L. K., and Kadek, V. M., Composition and Properties of Products Formed on the Surface of Metalin the Case of Cathodic Protection of Hydrotechnical Installations, Translated from Zashchita Metallov, Vol. 3, No. 5, September-October 1967, pp. 586-593.
- 153. Zettlemoyer, H. A. C., and McCafferty, E., The Corroding Iron Surface, Journal of Physical Chemistry, Vol. 71, July 1967, pp. 2452-2456.

- Pitting Corrosion of Ni, Cr-Ni, Cr-Fe, and Related Stainless Steels, Journal of Electrochemical Society, Vol. 115, No. 8, 1968.
- 156. Maass, W. B., <u>Protective Coatings for Galvanized Steel</u>, Metal Finishing, Vol. 65, No. 7, 1967, pp. 64-66.
- 158. West, L. H., Cathodic Protection The Answer to Corrosion Prevention of Underground Structures?, Hinchman Company, Detroit, Materials Protection, Vol. 7, July 1968, p. 33.
- 160. Zen, K., Studies on Corrosion of Steel Structures at Harbors (First Report) on Macro- and Micro-Corrosion, Corrosion Engineering, Vol. 17, No. 3, 1968.
- 163. Reed, J. C., The Corrosion Resistance of Glass-Lined Steel, Australasian Corrosion Engineering, Vol. 12, No. 2, 1968.
- 165. Yamaguchi, S., and Okoti, N., <u>Atmospheric Corrosion of Steel</u>, Werkstoffe und Korrosion, Vol. 19, 1968, pp. 210-211.
- 166. Keane, J. D., <u>Evaluation of Coatings in Potable Water Tanks</u>, Materials Protection, Vol. 7, No. 4, 1968.
- 169. Kowaka, Dr. Masamichi, Noji, Koji, Satake, Jiro, Moroishi, Taishi, Nakajima, Takashi, On the Various Factors Affecting Atmospheric Corrosion of Steels, Sumitomo Metals, Vol. 20, No. 2, 1968.
- 172. Hausmann, D. A., Steel Corrosion in Concrete. How Does it Occur?, Materials Protection, Vol. 6, No. 11, 1967.
- 173. Ross, T. K., and Callaghan, B. G., <u>The Seasonal Distribution of Ferrous Sulphate Formed During the Atmospheric Rusting of Mild Steel</u>, Corrosion Science, Vol. 5, 1966, pp. 337-343.
- 174. Oppenheimer, H., The Microbial Corrosion of Iron, (Contracts NONR-375(10), NONR-840(21)), March 1967.
- 175. Pocheptsova, G. G., and Timchenko, S. V., <u>Steel, Resistant</u> to Corrosion Cracking Under Stress in Alkaline Media, Khim. i Neft. Mashinostr., Vol. 10, 1966, pp. 22-23.
- 179. Rientsma, L. M., The Corrosion of Stainless Steel in Practice, Metalen, Vol. 40,  $\overline{\text{No. }12,\ 1366},\ \text{pp. }401-404.$
- Engell, J., The Corrosion of Steel in Concrete Containing Sulphate, Corrosion Science, Vol. 6, No. 3/4, 1966, pp. 197-198.
- 189. Corrosiveness of Various Atmospheric Test Sites as Measured by Specimens of Steel and Zinc, "Metal Corrosion in the Atmosphere," ASTM HC, STP 435, 1968.

- 194. Saroyan, J. R., <u>Protective Coatings</u>, Machine Design, Vol. 40, No. 2, January 1968, pp. 188-192.
- 195. Kamionskii, L. M., <u>Recommendations of the Scientific-Technical Meeting of the Seminar on the Corrosion Protection of Metals by Enamelins</u>, Zashchita Metallov, Vol. 3, No. 5, September-October 1967, pp. 656-658.
- 197. Shturman, A. A., <u>New Methods for the Lining of Metal Pipes</u> with <u>Plastic</u>, Joint Publications Research Service, Washington, D. C., February 5, 1963.
- 199. Brickell, W. F., Greco, E. C., and Sardisco, J. B., <u>Corrosion of Iron in AnH<sub>2</sub>S-CO<sub>2</sub>-H<sub>2</sub>O System: Influence of (Single Iron) Crystal Orientation on Hydrogen Penetration Rate</u>, Corrosion, Vol. 20, No. 7, July 1964.
- 201. Proskurkin, E. V., and Gorbunov, N. S., <u>Use of Diffusion</u>
  <u>Zinc Plating in Pipe Production</u>, Metaloved. i Termich.

  Obrab. Metal, (USSR), No. 3, 1967, pp. 42-44.
- 202. Burgsdorff, J. W. Kuhn von, <u>Internal Cathodic Protection of Salt Water Pipelines with the Aid of Platinized Titanium Anodes</u>, Werkstoffe und Korrosion, Vol. 19, 1968, pp. 473-478.
- 219. Roblin, J. M., <u>Production and Properties of a Corrosion-Resistant Metallic Coating for Steel</u>, (In Italian), <u>Allumino</u>, Vol. 36, June 1967, pp. 299-304.
- 220. Lorking, K. F., <u>The Initiation and Inhibition of Corrosion</u> of Iron in Neutral Aqueous Solutions, (ARL-MET-60), September 1966.
- 222. Pustotina, s. R., Rafalovich, D. M., and Roikh, I. L., Atmospheric Corrosion of Vacuum Deposited Zinc and Cadmium Coatings on Steel, Zashchita Metallov, (USSR), Vol. 3, No. 5, September-October 1967, pp. 627-630.
- 224. LaGanza, R. F., <u>Internal Coating of Natural Gas Pipelines</u>, Australasian Corrosion Engineering, Vol. 12, No. 7, July 1968.
- 226. Yao, Yung-Fang Yu, <u>Chemisorpticn of Amines and Its Effect</u> on Subsequent Oxidation of Iron Surfaces, Journal of Physical Chemistry, Vol. 68, No. 1, January 1964, pp. 101-105.
- 227. Boon, J. W., and Wijngaard, B. H., <u>The Measurement of the (Electrical) Resistance of Insulating Joints in Underground Pipelines</u>, <u>Metallinstitunt</u>., August 1963.
- 229. Vrable, J. B., Modified Cathodic Protection Method for Controlling Corrosion of Underground Steel Storage Tanks, Presented at the Nattional Association of Corrosion Engineers 23rd Annual Conference in Los Angeles, March 1967.

- 234. Rao, V. Sitakara, Atmospheric Corrosion of Metals at Bhavnagar, Indian Journal of Technology, Vol. 4, No. 5, 1966, pp. 159-161.
- 235. Sato, Norio, and Cohen, Morris, The Kinetics of Anodic Oxidation of Iron in Neutral Solution. Part 11, Initial Stages, Journal of the Electrochemical Society, May 1964.
- 238. Horvath, J., Novak, M., and Hires, J., Theoretical Studies on the Potential and Current Requirements of Cathodic Protection on the Basis of Pourbaix Diagrams, Acta Chimica Academic Scientiarum Hungaricae, Vol. 38, No. 2, 1963, Pp. 151-163.
- 241. Hanada, Masaki, Zen, Kazuaki, and Toyobo, Masayoshi,
  Estimation of Corrosion Rate of Buried Steel Structures
  under Marine Environments, Corrosion Engineering, Vol. 13,
  No. 1, January 1964, pp. 11-15.
  - 243. Kutzelnigg, A., <u>Testing Metallic Coatings</u>, Robert Draper, Ltd., Teddington, 1963.
  - 246. Outin, J., Preliminary Experiments and the Application of Corrosion Protection at the Dunkirk Steel-Works, Zinc, Cadmium, et Alliages, No. 33, January-March 1963, pp. 18-22.
  - 251. Roy, K., Sarkar, M., Chatterjee, B., Sacrificial Anodes for Protection Against Underground and Subsoil Corrosion, Indian Journal of Applied Chemistry, Vol. 26, No. 1-2, 1963, pp. 3.3-35.
  - 252, Bromlet, R. N., Dean, R. O., and Orton, M. D., Tests on Corrosive Effects of HVDC, Materials Protection, Vol. 5, February 1966, p. 61.
  - 253, Parker, Marshall E., High Voltage Direct Current, Materials Protection, Vol. 6, August 1967, p. 23.
  - 254. Muraoka, J. S., Effects of Marine Organisms, Machine Design, Vol. 40, No. 2, 1968, p. 184.
  - 256. Eighth Congress of FATIPEC, The Hague, 1966.
- 257. Sudrabin, L. P., Cathodic Protection is not Always Successful on Ferrous Structures, Materials Protection, Vol. 5, February 1966, p. 49.
  - 259. Brown, P., Combating Metal corrosion with Paints and Cathodic Protection, Metal Finishing, Vol. 66, No. 5, May 1968, pp. 73.
  - 260. Silkworth, G. H., Effects of Stray HVDC, Materials Protection, Vol. 5, February 1966, p. 57.

- 264. McEowen, L. J., and Elsea, A. R., <u>Behavior of High Strength</u>
  <u>Steels under Cathodic Protection</u>, Corrosion, Vol. 21; No. 1,
  January 1965.
- 265. Lieser, K. H., Kalvenes, O., and Compostella, S., Radio-Chemical Study on the Corrosion of Iron, Corrosion Science, Vol. 4, March 1964, pp. 51-61.
- 267. West, Lewis H., <u>Cathodic Protection in Congested Areas</u>, Journal of American Water Works Association, Vol. 56, No. 6, June 1964.
- 272. Matsushima, I., Deegan, D., and Uhlig, H. H., <u>Stress</u>
  <u>Corrosion and Hydrogen Cracking of 17-7 Stainless Steel</u>,
  <u>Corrosion</u>, Vol. 22, No. 1, January 1966.
- 278. Thermoelectric Cathodic Protection, Corrosion Technology, Vol. 11, No. 7, July 1964.
- 279. Biefer, G. J., Effect of Uranium Additions on Corrosion Behavior of AISI Type 430 Stainless Steel, Report No. TB58, Department of Mines and Technological Surveys, Mines Branch, Ottawa, November 1964, 18 pp.
- 280. Foroulis, Z. A., and Uhlig, H. H., Effect of Impurities in Iron on Corrosion in Acids, Journal of Electrochemical Society, Vol. 112, No. 12, December 1965.
- 281. Griffin, D. F., <u>Corrosion of Mild Steel in Concrete</u>, Report No. TR-R306, Naval Civil Engineering Laboratory, Port Hueneme, California, August 1965.
- 282. Corrosion of Some Ferrous Metals in Soil with Emphasis on Mild Steel and Gray and Ductile Cast Irons, Bureau of Reclamation, U. S. Department of the Interior, March 1965.
- 283. Winkler, K., and Taschow, H. J., Rapid Test Methods for Anticorrosion Primers Using Potential Meas'urements, Plaste und Kautschuk, Vol. 11, June 1964, pp. 381-383.
- 285. Herbsleb, G., Inhibition of Chloride Corrosion (Pit Corrosion) on Chemically Resistant Steels by Nitrate. Sulphate and Chromate Ions, and Methods for Determining Pit Corrosion Potential, Werkstoffe und Korrosion, Vol. 16, 1965, pp. 929-938.
- 288. Grafen, H., The Importance of the Formation of a Cover Layer with Stress Corrosion Cracking, Werkstoffe und Korrosion, Vol. 17, 1966.
- 289. Levin, A., and Kochergina, D. G., <u>Intergranular Corrosion of Ferritic-Austenitic Steels OKh21N5 and OKh21N6M2</u>, <u>Conditions of Development of Susceptibility to Intergranular corrosion</u>, Zashchita Metallov, Vol. 1, No. 3, 1965.

- 296. Pollitt, V. D. J., Automatic Cathodic Protection for Water Tanks, Journal of American Water Works Association, Vol. 58, Xi). 2, February I, 60
- 301. Radecker, W., and Mishra, B. N., The Influence of Carbon and Nitrogen on the Sensit rity of Low-Alloyed Steels to Stress Corrosion, Werkstoffe und Korrosion, Vol. 17, 1966, PP. 193-197.
- 305. Kunkel, E. V., New Corrosion Engineer In Chemical Processing--Major Problems and Challenges, Materials Protection, Vol. 5, No. 3, March 1966.
- 306. Overman, R. F., <u>Using Radioactive 'Tracers to Study Chloride Stress Corrosion Cracking of Stainless Steels</u>, Corrosion, Vol. 22, No. 2, February 1966.
- 309. Butler, G., and Stroud, E. G., The Influence of Movement and Temperature on the Corrosion of Mild Steel. Part 11.

  High-Purity Water, Journal of Applied Chemistry, Vol. 15, 1965.
- 312. Gouda, Venice K., Anodic Polarization Measurements of Corrosion and Corrosion Inhibition of Steel in Concrete, British Corrosion Journal, Vol. I-> No. 4, 1966, pp. 138-142.
- 316. France, W., corrosion of Deformed Steel, Chemical Engineering News, Vol. 47, September 5, 1969, p. 41.
- 319. Wrangler, G., Review Art. -- on the Influence of Sulphide Inclusions on the Corrodinality of Fe and Steel, Corrosion Science, Vol. 9, August 1969, p. 585.
- 321. Loginow, A. W., and Bates F., Influence of Alloying Elements on the Stress Corrosion Behavior of Austenitic Stainless Steel, Corrosion, Vol. 25, January 1969, p. 15.
- 324, Pigeaud, A., and Kirkpa'rick, H. E., A Correlated Potentiostatic Microscope Study of Iron Passivation in Sulfuric Acid, Corrosion, Vol. 25, May 1969, p. 209.
- 326. Stolica, N., Pitting Corrosion on Fe-Cr and Fe-Cr-Ni Alloys, Corrosion Science, Vol. 9, July 1969, p. 455.
- 327. Azmin, A. A. A., Anwar, M. M., and Sanad, S. H., Potentio-kinetic Study of the Effect of Carbon on Corrosion of Some Steels in Alkaline Solutions, Corrosion science, Vol. 9, June 1969, p. 405.
- 328. Stolica, N., Pitting Corrosion on Fe-Cr Alloys, Corrosion Science, Vol. 9, April 1969, p. 205.

- 329. Rajagopalan, K. S., Venu, K., and Viswanathan, M., Activation of Passivated Steel in Borax Solution, Corrosion Science, Vol. 9, March 1969, p. 169.
- Southwell, C. R., <u>The Corrosion Rates of Structural Metals in Sea Water, Fresh Water and Tropical Atmospheres</u>, Corrosion Science, Vol. 9, March 1969, p. 179.
- 331. Smialowski, M., Szklaraka-Smialowski, Z., Rychak, M., and Szummer, A., Effect of Sulfide Inclusions in a Commercial Stainless Steel on the Nucleation of Corrosion Pits, Corrosion Science, Vol. 9, February 1969, p. 123.
- 332. Cleary, H. J., and Greene, N. D., <u>Electrochemical Properties</u> of Iron and Steel, Corrosion Science, Vol. 9, January 1969, p. 3.
- 333. Schwalm, L. H., and Sonodor, J. G., Stray Current The Major Cause of Underground Plant Corrosion, Materials Protection, Vol. 8, June 1969, p. 39.
- 334. Lennox. T. J.. Groover. R. E., and Peterson, M. H., How Effective is Cathodic Protection of Stainless Steeis in Quiescent Sea Water?, Materials Protection, Vol. 8, May 1969, p. 41.
- 335. Parker, M. E., <u>Innovations and the Future of Cathodic Protection</u>, Materials Protection, Vol. 8, February 1969, p. 21.
- 336. Hamner, N. E., Some HVDC Earth Return Hypotheses Challenged, Materials Protection, Vol. 8, February 1969, p. 50.
- 337. Bates, J. F., Sulfide Cracking of High Yield Strength Steels in Sour Crude Oils, Materials Protection, Vol. 8, January 1969, p. 33.
- 338. Hudains. C. M.. Jr.. A Review of Sulfide Corrosion Problems in the Petroleum Industry, Materials Protection, Vol. 8, January 1969, p. 41.
- 343. Hackerman, Norman, Snavely, E. S., Jr., Payne, J. S., Jr., Effects of Anions on Corrosion Inhibition by Organic Compounds, Journal of Electrochemical Society, Vol. 113, 1966.
- 354. Bruckner, W. H., Effects of 60-Cycle Alternating Current of Corrosion of Steels and Other Metals Buried in Soils, Materials Protection, Vol. 4, No. 5, May 1965.
- 356. McEowen, L. J., and Elsea, A. R., <u>Behavior of High Strength</u>
  Steels under Cathodic Protection, Corrosion, Vol. 21, No. 1,
  January 1965.
- 357. Morgan, J. H., Recent Advances in Cathodic Protection, Corrosion Technology, Vol. 12, No. 4, April 1965.

- 364. Anderson, W. A., <u>Problems of Adhesion with Cathodic Protection</u>, Official Digest of the Federation Society of Paint Technology, Vol. 36, No. 477, October 1964, pp. 1210-1224.
- 374. Sardisco, J. B., and Pitts, R. E., <u>Corrosion of Iron in</u>

  <u>H<sub>2</sub>S-CO<sub>2</sub>-H<sub>2</sub>O System. Composition and Protectiveness of Sulfide Film-as Function of pH</u>, Corrosion, Vol. 21, No. 11,

  November 1965.
- 375. Tripathi, Brajendra Nath, Microbiological Corrosion Sulfate Reducing Bacteria and Corrosive Influence on Metals, Journal of Scientific and Indian Research, Vol. 23, No. 9, 1964, pp. 379-389.
- 384. Kobayashi, Toyoji, Nakauchi, Hiroji, Kanda, Yukio, Osato, Kazuo, and Togano, Hideo, Cathodic Protection of Piping System by Automatic Control, Corrosion Engineering, Vol. 13, No. 10/11, November 1964.
- 385. Brickell, W. F., Greco, E. C., and Sardisco, J. E., Corrosion of Iron in an H<sub>2</sub>S-CO<sub>2</sub>-H<sub>2</sub>O System: Some Factors Affecting Hydrogen Penetration Rate Through 8640 Steel, Corrosion, Vol. 21, No. 2, February 1965.
- 388. Dempster, N. S., Recent Advances in Cathodic Protection of Ships, Australasian Corrosion Engineering, Vol. 8, No. 6, June 4, 1964, pp. 9-19.
- 389. Schwabe, K., and Voigt, C., <u>Influence of Neutral Salts on Kinetics of Fe-Corrosion</u>, Werkstoffe und Korrosion, Vol. 16, No. 2, February 1965.
- 391. Littauer, E. L., and O'Brien, O. G., Regulating Bias on Ship's Hull, Electronics, Vol. 38, No. 16, August 1965, pp. 84-87.
- 395. Hiller, A. E., and Lipps, D. A., <u>Cathodic Protection for Offshore Structure</u>, Materials Protection, Vol. 4, No. 6, <u>June 1965</u>, pp. 36-39.
- 396. Rozenfeld, I. L., and Persiantseva, V. T., New Principle of Anticorrosive Protection by Inhibitors, Doklady Akademii Nauk SSR, Vol. 156, No. 1, 1964, pp. 162-165.
- 397. Layne, H. B., Corrosion Protection of Capline, Materials Protection, Vol. 8, July 1969, p. 23.
- 399. McCright, R. D., and Staehle, R. W., <u>Electron Metallographic</u> and Electrochemical Aspects of the Effect of Cathodic Poisons on Hydrogen Entry, Electrochemical Society Meeting, October 1969.

- 400. Brown, B. F., <u>Implication of Cathodic Reduction of Hydrogen to Stress-Corrosion Cracking</u>, Electrochemical Society Meeting, October 1969.
- 401. McBee, C. L., and Kruger, J., Ellipsometric-Spectroscopic Studies of the Effect of Chloride Ion on Passive Films of Iron, National Bureau of Standards, Abstract 80, Electrochemical Society Meeting, October 1969.
- 402. Hausmann, D. A., <u>Criteria for Cathodic Protection of Steel</u> in Concrete Structures, Materials Protection, Vol. 8, October 1969, p. 23.
- 403. Wren, G. B., <u>Developments in Portable Detectors for Locating Pipeline Holidays</u>, Materials Protection, Vol. 8, July 1969, p. 43.
- 405. Herves, F. W., Four Phenomena Affecting Cathodic Protection and Corrosion Rates, Materials Protection, Vol. 8, September 1969, p. 67.
- 406. Control of External Corrosion on Underground or Submerqed Metallic Piping Systems, National Association of Corrosion Engineers Standard RP-01-69, August 1969.
- 407. Barth, C. F., Steigerwald, E. A., and Troiano, A. R., Hydrogen Permeability and Delayed Failure of Polarized Martensitic Steels, Corrosion, Vol. 25, 1969, p. 353.
- 408. Snape, E., Schaller, F. W., and Jones, R. M. Forbes, <u>A Method</u> for Improving Hydrogen Sulfide Accelerated Cracking Resistance of Low Alloy Steels, Corrosion, **Vol.** 25, 1969, p. 380.
- 429. Tetelman, A. S., The Mechanism of Hydrogen Embrittlement in Steel, "Proceedings on Fundamental Aspects of Stress Corrosion Cracking," NACE, 1969.
- 471. Zobell, C. E., Microbial Deterioration of Pipe Line Coating Material, 1951.
- 473. Schwerdtfeger, W. J., <u>Corrosion Rates of Ferrous Alloys</u>
  <u>Measured by Polarization Technique</u>, Journal of Research of the National Bureau of Standards, **Vol.** 66c, No. 3, 1962, p. 245.
- 474. Hewes, F. W., A Survey of Requirements and Costs for Cathodic Protection on 22,000 Miles of Coated Pipeline, Materials Protection, Vol. 5, September '966, p. 41.
- 477. Droffelaar, H. Van, and Hudson, G. B., <u>Sacrificial Metallic</u> Coatings for Austenitic Stainless Steels, Materials Protection, Vol. 5, No. 3, March 1966.

- 478. Ord, J. L., and Bartlett, J. H., <u>Electrical Behavior of Passive Iron</u>, Journal of Electrochemical Society, Vol. 112, 1965, p. 160.
- 479. Stephenson, J. M., <u>A Survey of Pipe Corrosion at Naval</u>
  <u>Activities</u>, AD 614259, U. S. Naval Laboratory, Port Hueneme,
  California, 1965.
- 480. External Application Procedures of Hot Applied Coal Tar and Asphalt Enamel Coatings to Steel Pipe, National Association of Pipe Coating Applicators Bulletin 3-67, 1967.
- 481. Standard Applied Pipe Coating Weights, National Association of Pipe Coating Applicators Bulletin. 2-66, 1966.
- 482. Corrosion Technology Chart Guide (6), Cathodic Protection and Inhibition, Corrosion Technology, Vol. 12, December 1965, pp. 28-29.
- 484. Toy, S. M., Polarization of Strained AISI 4340 Steel in Oxygenated NaCl Solutions, Corrosion, Vol. 22, 1966, p. 229.
- 485. Bombara, G., Stress-Corrosion Cracking and Crevice Corrosion in Passivable Alloys, Corrosion Science, Vol. 9, 1969, p. 519.
- 487. Sinigaglia, D., Taccani, G., and Bombara, G., <u>Crevice Corrosion of Austenitic Stainless Steels in Acid Solution</u>, <u>Electrochem. Metal.</u>, Vol. 3, 1968, p. 297.
- 488. Hopper, A. T., Gideon, D. N., Berry, W. E., Stephan, E. F., and McClure, G. M., Analysis of the Effects of High Voltage Direct-Current Transmission Systems on Buried Pipelines, Catalogue Number L30500, American Gas Association, 1967.
- 489. Wilson, C. L., Education in Corrosion, Anti-Corrosion Methods and Materials, Vol. 15, August 1968, p. 10.
- 490. Hatley, H. R., Cathodic Protection of Pipelines: Is the Standard Potential Too Low?, Anti-Corrosion Methods and Materials, Vol. 15, April 1968, p. 10.
- 491. Fraunhofer, J. A. von, Lead as an Anode, Anti-Corrosion Methods and Materials, Vol. 16, January 1969, p. 17.
- 492, Corrosion Pitting of Iron in Distilled Water, Anti-Corrosion Methods and Materials, Vol. 16, February 1969, p. 25.
- 493. Holme, A., The Economics of Corrosion and Corrosion Control, Anti-Corrosion Methods and Materials, Vol. 16, February 1969, p. 12.

- 494. Nekaksa, J., The Use of Models for the Design of Pipeline Cathodic Protection Systems, Anti-Corrosion Methods and Materials, Vol. 16, March 1969, p. 24.
- 497. Drewett, R., <u>Diffusion Coatings for the Protection of Iron</u> and Steel: Aluminum, Anti-Corrosion Methods and Materials, Vol. 16, April 1969, p. 11.
- 499. Drewett, R., <u>Diffusion Coatings for the Protection of Iron</u> and Steel: <u>Chromium</u>, Anti-Corrosion Methods and Materials, Vol. 16, June 1969, p. 10.
- 501. Thompson, J., <u>Prestige Coatings from Coal-Tar Pitch</u>, Anti-Corrosion Methods and Materials, Vol. 16, September 1969, p. 11.
- 504. Gas Council Approves New Pipeline Coating, Anti-Corrosion Methods and Materials, Vol. 16, September 1969, p. 36.
- 523. Gideon, D. N., Hopper, A. T., and McClure, G. M., <u>Earth</u>
  Current Effects on Buried Pipelines. Analysis of Ohio
  and Vancouver Field Tests, Catalogue No. <u>L30510</u>, American
  Gas Association, 1968.
- 524. Iverson, W. P., <u>Microbiological Corrosion</u>, National Bureau of Standards, Pipes and Pipeline Engineering Convention, 1968.
- 525. Denison, I. A., and Romanoff. M.. <u>Corrosion of Nickel Cast Irons in Soils</u>; Journal of Research of the National Bureau of Standards, Vol. 51, 1953, p. 313.
- 526. Schwerdtfeger, W. J., <u>Electrical Measurements in the Selection</u> of Bolt Materials for <u>Service Underground</u>, Journal of Research of the National Bureau of Standards, Vol. 52, 1954, p. 265.
- 528. Costello, T. M., Pinnow, K. E., and Moskowitz, A., Resistance to Sensitization Tests with Austenitic Stainless Steel, Materials Protection, Vol. 8, November 1969, p. 15.
- 529. Kurr, G. W., <u>Sacrificial Anode Applications in Ships</u>, Materials Protection, Vol. 8, November 1969, p. 19.
- 530. Carter, C. S., The Effect of Silicon on the Stress Corrosion Resistance of Low Alloy High Strength Steels, Corrosion, Vol. 25, October 1969, p. 423.
- 531. Schwerdtfeger, W. J., <u>Current and Potential Relations for</u>
  the Cathodic Protection of Steel in Salt Water, Journal of
  Research of the National Bureau of Standards, Vol. 60, March
  1958, p. 153.

- 532. Schwerdtfeger, W. J., <u>Current and Potential Relations for the Cathodic Protection of Steel in a High Resistivity Environment</u>, Journal of Research of the National Bureau of Standards, Vol. 63c, September 1959, p. 37.
- 533. Schwerdtfeger, W. J., and Manuele, R. J., Coatings Formed on Steel by Cathodic Protection and Their Evaluation by Polarization Measurements, Journal of Research of the National Bureau of Standards, Vol. 65c, September 1961, p. 171.
- 534. Aust, K. T., <u>Intergranular Corrosion of Austenitic Stainless</u>
  Steels, Transactions of the American Institute of Mining,
  Metallurgical and Petroleum Engineers, **Vol.** 245, 1969,
  p. 2117.
- 535. Bond, A. P., Mechanisms of Intergranular Corrosion in Ferritic Stainless Steels, Transactions of: the American Institute of Mining, Metallurgical and Petroleum Engineers, Vol. 245, 1969, p. 2127.
- 536. Redmerski, L. S., and Moskowitz, A., <u>Effects of Surface</u>
  Treatment on Corrosion Resistance of <u>Stainless Steels</u>,
  Transactions of the American Institute of Mining, Metallurgical and Petroleum Engineers, **Vol.** 245, 1969, p. 2165.
- 537. Schwerdtfeger, W. J., A Study of Polarization Techniques of the Corrosion Rates of Aluminum and Steel Underground for Sixteen Months, Journal of Research of the National Bureau of Standards, Vol. 65c, October 1961, p. 271.
- 538. Iverson, W. P., <u>Microbial Corrosion</u>, AD-670501, National Bureau of Standards, April 1968.
- 539. Romanoff, M., Corrosion of Steel Pilings in Soils, Journal of Research of the National Bureau of Standards, Vol. 66, July 1962, p. 323.
- 540. Peabody, A. W., <u>Use of Steel as an Anode Material in Deep</u> Groundbeds, Ebasco Services, March 1970.
- 541. Bryan, W. T., <u>Use of Hi Si Cr Iron Anodes in Deep Groundbeds</u>, Duriron Company, Dayton, Ohio, March 1970.
- 542. Costanzo, F. E., <u>Use of Graphite Anodes in Deep Groundbeds</u>, Columbia Gas System of Pennsylvania, Pittsburgh, Pennsylvania, March 1970.
- 543. Tipps, C. W., <u>Replacements</u>, <u>City Public Service Boards</u>, San Antonio, Texas, <u>March 1970</u>.

- 546. Joy, R. F., Coating Characteristics, Materials Protection, Vol. 8, December 1969, p. 64.
- 547. Indig, M. E., and Groot, C., <u>Some Limitations of the Linear Polarization Techniques in Evaluating Corrosion Behavior</u>, Corrosion, Vol. 25, **November** 1969, p. 455.
- 548. Rhodes, P. R., <u>Mechanism of Chloride Stress Corrosion</u>
  Cracking of Austenitic Stainless Steels, Corrosion, Vol.

  25. November 1969, P. 462.
- 549. Iverson, W. P., <u>Anaerobic Corrosion of Mild Steel by Desulfovibrio</u>, National Bureau of Standards, 1969.
- 550. Romanoff, M., <u>Corrosion Evaluation of Steel Test Piles Exposed to Permafrost Soils</u>, National Bureau of Standards, 1969.
- 551. Romanoff, M., <u>Performance of Ductile-Iron Pipe in Soils</u>, National Bureau of Standards, Journal of American Water Works Association, Vol. 60, 1968, **p.** 645.
- 552. Romanoff, M., Results of National Bureau of Standards
  Corrosion Investigations in Disturbed and Undisturbed Soils,
  National Bureau of Standards, Proceedings of the 12th Appalachian Underground Corrosion Short Course, 1967.
- 553. Sudbury, J. D., Barrett, J. P., Prange, F. A., Greenwell, H. E., and Wallace, E. W., Corrosion of Oil- and Gas-Well Equipment, American Petroleum Institute, 1958.
- 555. Brady, T. E., <u>Cathodic Protection Requirements of Plastic Coated Pipe</u>, Gas Magazine, June 1959, p. 65.
- 556. Kiuchi, Jack T., <u>Plastics for the Protection of Underground</u> <u>Pipe</u>, Republic Steel Corporation, Cleveland, Ohio, 1967.
- 557. Kiuchi, J. T., <u>Steel Pipe for Underground Service</u>, Republic Steel Corporation, National Association of Corrosion Engineers Conference in Cleveland, Ohio, 1968.
- 559. Trouard, S. E., <u>The Fallacy of Casing</u>, New Orleans Public Service, Incorporated, 1963.
- 560. Janssen, J. S., <u>Encase Pipelines under Highways?</u> New Orleans Public Service, Incorporated, May 1965.
- 561. Parker, M. E., <u>Cathodic Protection of Pipe in Casing</u>, Gas Magazine, February 1961.
- 563. Trouard, S. E., <u>Electrolytic Corrosion on the Interior of a Large Pipe Casing</u>, Pipe Line Industry, September 1963.

- 566. Heim, G., Rohrenwerke, Thyssen, and Dusseldorf, A. G.,

  <u>Corrosion Protection of Buried Line Pipe by a Melted-on</u>

  <u>Polyethylene Coating</u>, Conference on Corrosion and Protection

  of Pipes and Pipelines, London, June 1968.
- Nekoksa, J., <u>Stray Current Measurement in Soil, Applied to the Corrosion Protection of Pipelines</u>, Chemoprojekt, Prague, 1968.
- 569. Sale, J. P., The Evaluation of Anode Configurations for the Internal Cathodic Protection of Pipes, English Electronic Computer, Ltd., Conference on Corrosion and Protection of Pipes and Pipelines, London, 1968.
- 570. Comy, M., Effects, of Insulating Coatings of Pipelines on the Reliability of Potential Measurements for Cathodic Protection, Corrosion and Protection of Pipes and Pipelines Conference, London, 1968.
- 572. Whitchurch, D. R., and Hayton, J. G., Loose Polyethylene Sleeving for the Protection of Buried Cast Iron Pipelines, Stanton and Staveley, Ltd., and Sevenoaks and Tonbridge Water Company, Conference on Corrosion and Protection of Pipes and Pipelines, London, 1968.
- 573. Xut, S., Epoxy Coatings for the Internal Lining of Pipelines, E. Wood, Ltd., Conference on Corrosion and Protection of Pipes and Pipelines, London, 1968.
- 575. Hatley, H. M., Cathodic Protection of Pipelines: Missed Couplings, Anti-Corrosion, Vol. 15, September 1968, p. 5.
- 576. Matthewman, W., More Developments in Automation of Cathodic Protection, Anti-Corrosion, Vol. 13, August 1966, p. 6.
- 579. Fairman, L., <u>Prevention of Stress Corrosion Cracking by Cathodic Protection</u>, <u>Corrosion Technology</u>, Vol. 12, <u>September 1965</u>, p. 9.
- 584. Peterson, M. H., Lennox, T. J. Jr., and Groover, R. E., <u>A</u>
  Study of Crevice Corrosion in Type 304 Stainless Steel,
  Materials Protection, Vol. 9, January 1970, p. 23.
- 585. Vreeland, D. C., <u>Cathodic Protection in Seawater: Precipitation Hardening Stainless Steel</u>, <u>Materials Protection</u>, <u>Vol. 9</u>, January 1970, p. 32.
- 586. Smith, R. B., and Eiber, R. J., <u>Field Failure Survey and Investigations</u>, Fourth Symposium on Line Pipe Research, American Gas' Association, Dallas, November 1969, pp. D1-D19.
- 587. Groeneveld, T. P., <u>Hydrogen Stress Cracking</u>, Fourth Symposium on Line Pipe Research, American Gas Association, Dallas, November 1969, pp. El-El4.

- 588. Wagner, J. Jr., <u>Service Testing of Bituminous Coatings</u>, Industrial and Engineering Chemistry, Vol. 58, June 1966, **p.** 70.
- 589. Daly, G. L., Economic Aspects of Cathodic Protection, Materials Protection, Vol. 5, March 1966, p. 55.
- 591. Junkin, E. D. Jr., Economics of Corrosion Control, in Oil and Gas Production. Materials Protection, Vol. 5, No. 6, June 1966, p. 27.
- 592. Rogers, F. H., <u>Corrosion Problems of Pipelines and Terminals</u>
  in <u>Urban Areas</u>, <u>Materials Protection</u>, Vol. 4, No. 12, December 1965, p. 57.
- 594. Unz, M., <u>Cathodic Protection of Screened Structures</u>, Materials Protection, Vol. 4, February 1965, p. 34.
- 596. Insight into Stress Corrosion, Science News Letter, Vol. 96, July 5, 1969, p. 10.
- 598. Kiefner, J. F., <u>Fracture Initiation</u>, Fourth Symposium on Line Pipe Research, American Gas Association, Dallas, November 1969.
- 599. Duffy, A. R., <u>Hydrostatic Testing</u>, Fourth Symposium on Line Pipe Research, American Gas Association, Dallas, November 1969.
- 600. Moers, T. C., <u>Cathodic Protection via EDP</u>, Pipe Line News, November 1969, p. 49.
- 601. Doremus, E. P., and Canfield, T. L., The Surface Potential Survey Can Detect Pipeline Corrosion Damage, Materials Protection, Vol. 6, September 1967, p. 33.
- 603. Hudson, J. C., and Watkins, K. O., <u>Tests on the Corrosion</u> of <u>Buried Cast Iron and Mild Steel Pipes</u>, <u>British Iron and Steel Research Association</u>, <u>London</u>, <u>1968</u>.
- 608. Scott, G. N., <u>Field Performance of Modern Asphaltic Pipe</u>
  <u>Coatings</u>, American Petroleum Institute Pipe Line Symposium,
  November 1949.
- 629. Vedenkin, S. G., and Sinyavskiy, V. S., Mechanism of Corrosion Fatigue, (In Russian), Zhurn. Fizichesk. khimii., Vol. 36, No. 10, October 1962, pp. 2209-2214.
- 639. Roy, K., Sarkar, M., and Chatterjee, B., <u>Underground Corrosion</u> of Metals and Alloys, Journal of the Indian Chemical Society, Vol. 39, September 1962, p. 581.

- 652. Berezhiani, V. M., and Grikurov, G. N., <u>Corrosion Resistance</u> of Iron-Base Alloys with Manganese and <u>Chromium</u>, AN Gruz SSR, Institut Metallurgii. Trudy, Vol. 12, 1962, pp. 91-92.
- 654. Narita, K., and Takahashi, E., <u>Electron Microscopic Studies</u> of Carbides in Austenitic Stainless Steels, Journal of the Japanese Institute of Metals, Vol. 26, No. 10, October 1962, pp. 639-643.
- 677. The Corrosion Resistance of Stainless Steels, British Iron and Steel Research Association, London, 1965.
- 678. A Background to the Corrosion of Steel and Its Prevention, British Iron and Steel Research Association, London, 1966.
- 679. The Protection of Steel by Metal Coatings, British Iron and Steel Research Association, London, 1967.
- 680. Biestek, T., Corrosion Resistance of Chromium on Steel, Metal Finishing, October 1969, p. 76.
- 681. Adair, A. M., The Effect of Hydrogen Charging on the Petch Relationship for Zone-Refined Iron, American Institute of Mining, Metallurgical and Petroleum Engineers Meeting, February 1966.
- 682. Logan, K. H., American Petroleum Institute Pipe-Coating Tests, Final Report, American Petroleum Institute Proceedings, Vol. 21, No. 4, 1940, p. 32.
- 683. Williams, J. F., Corrosion of Metals Under the Influence of Alternating Current, 3M Company, St. Paul, Minnesota, Approximately 1969.
- 684. Alexander, S. H., <u>Variables which Influence Cathodic Dis-bonding Test Results</u>, <u>Monsanto Company</u>, St. Louis, National Association of Corrosion Engineers Conference, Houston, 1969.
- 686. Hunder, D. N., Jeeping of Thin Film Pipeline Coatings, 3M Company, St. Paul, Minnesota, February 1969.
- 687. Schwerdtfeger, W. J., Soil Resistivity as Related to Underground Corrosion and Cathodic Protection, Journal of Research of the National Bureau of Standards, Vol. 69c, January 1965, p. 71.
- 688. Cohen, Morris, Modern Techniques in Corrosion Research, Symposium on the Coupling of Basic and Applied Corrosion Research, National Bureau of Standards, March 1966, pp. 2-8.
- 690. Foroulis, Z. A., Molecular Designing of Organic Corrosion Inhibitors, Esso R & E Company, Florham Park, New Jersey, Symposium on the Coupling of Basic and Applied Corrosion Research, National Association of Corrosion Engineers, 1969.

- 691. Hoar, T. P., Stress Corrosion Cracking, Symposium on Coupling of Basic and Applied Corrosion Research, National Association of Corrosion Engineers, 1969.
- 692. Vermilyea, D. A., <u>solution of Reaction Films</u>, Symposium on Coupling of Basic and Applied Corrosion Research, National Association of Corrosion Engineers, 1969.
- 693. Schwabe, Kurt, Application of Radioactive Isotopes to the Study of Corrosion Problems, (In German), Chemical Technology, Leipzig, Vol. 13, May 1969, pp. 275-280.
- 694. Logan, €. L., What We Don't Know About Stress Corrosion, Symposium on Coupling of Basic and Applied Corrosion Research, National Association of Corrosion Engineers, 1969.

7

- 697. Hayes, T. B., Silkworth, G. H., and Schilling, R. D., HVDC Effects on Pipe Lines, Pipe Line Industry, February 1970, p. 27.
- 700. Gosse, J. F., Results of Laboratory and Burial Tests for Qualifying Underground Pipeline Coatings, Bethlehem Steel Corporation, National Association of Corrosion Engineers Conference, March 1970.
- 701. Paver, E. C., The Effects of Induced Current on a Pipeline, Northern Illinois Gas Company, Aurora, National Association of Corrosion Engineers Conference, March 1970.
- 703. Kemp, W. E., Coal Tar Enamel for Pipelines, Koppers Company, Incorporated, Verona, Pennsylvania, National Association of Corrosion Engineers Conference, March 1970.
- 704. Sloan, R. N., Design, Application, and Construction of Underground and Marine Asphalt Mastic and Concrete Coatings for Pipelines, H. C. Price Company, Philadelphia, National Association of Corrosion Engineers Conference, March 1970.
- 705. Rodgers, J., <u>Discounted Cash Flow Analysis</u>, Napko Corporation, National Association of Corrosion Engineers Conference, March 1970.
- 706. Hansler, R. H., Goeller, L. A., Rosenwald, R. H., The Use of Statistical Design and Analysis in the Development of a Corrosion Inhibitor Test, Universal Oil Products, Des Plaines, Illinois, National Association of Corrosion Engineers Conference, March 1970.
- 708. Protection of Iron and Steel Structures from Corrosion,
  British Standard Code of Practice CP2008, British Standards
  House, London, 1966.

- 718. Tentative Methods of Test for Adhesion of Organic Coatings, American Society of Testing Materials, D2197-67T, 1967.
- Recommended Practice for Determining Resistance of Plastics to Fungi, American Society of Testing Materials, D1924-63, 1963.
- 720. Asphalt Protective Coatings for Pipe Lines, The Asphalt Institute, University of Maryland, 1958.
- 722. Synthetic Resin Primer for Coal-Tar Enamel, Research Report No. 8, U. S. Department of the Interior, Bureau of Reclamation, 1967.
- 723. Corrosion Notebook, American Gas Journal, Dallas, 1964.
- 726. Harris, G. M., Plastic Tapes Twenty Years of Underground Corrosion Control, Kendall Company, National Association of Corrosion Engineers Conference, March 1970.
- 727. Corbett, H. G., and Davey, J. P., 1969 HVDC Stray Current Tests on Underground Telephone Cables, Pacific Telephone Company and General Telephone Company, National Association of Corrosion Engineers Conference, March 1970.
- 728. Doremus, G. L., and Davis, J. G., Modern Approach to Cathodic Protection of Offshore Pipelines, Cathodic Protection Service, Pipeline Engineer, October 1969, p. 36.
- 729. Guillen, M. A., and Feliu, S., Contribution to the Study of Several Variables Which Affect the Cathodic Protection of Steel, Revista de Metalurgia, Vol. 2, 1966, p. 519.
- 730. Nikitenko, E. A., <u>Influence of Soil Conditions on the Corrosion of an Underground Steel Gas Pipeline</u>, <u>USSR</u>, <u>Protection of Metals</u>, No. 1, 1965, p. 99.
- 731. Pictorial Surface Preparation Standards for Painting Steel Structures, Steel Structures Painting Council, Pittsburgh,
- 747. Hearst, P. J., Electrical Properties of Coatings as Related to Performance. Part I. Experiments with Five Immersed Coating Systems, AD 627311, U. S. Naval Civil Engineering Laboratory, Port Hueneme, California, 1965.
- 753. Scott, G. N., The Distribution of Soil Conductivities and Some Consequences, Corrosion, Vol. 14, August 1958, p. 396t.
- 754. Rossum, J. R., <u>Prediction of Pitting Rates in Ferrous Metals</u> from Soil Parameters, Journal of American Water Works Association, Vol. 61, 1969, No. 6.

- 756. Foroulis, Z. A., and Uhlig, H. H., <u>Effect of Cold-Work on Corrosion of Iron and Steel in Hydrochloric Acid</u>, Journal of the Electrochemical Society, **Vol.** 111, May 1964. p. 522.
- 758. Kelly, E. J., The Active Iron Electrode. Part I. Iron Dissolution and Hydrogen Evolution Reactions in Acidic Sulfate Solutions, Journal of the Electrochemical Society, Vol. 112, February 1965, p. 124.

1 1 50

- 759. Foroulis, Z. A., Effect of Plastic Deformation on the Anodic Dissolution of Iron in Acids, Journal of the Electrochemical Society, Vol. 143, June 1966, p. 532:
- 760. Bockris, J. O'M., Drazio, D., and Despic, A. R., <u>The Electrode Kinetics of the Deposition and Dissolution of Iron</u>, Electrochimica Acta, Vol. 4, 1961, p. 325.
- 761. Bockris, J. O'M., Koch, D. F. A., <u>Comparative Rates of the Electrolytic Evolution of Hydrogen and Deuterium on Iron</u>, <u>Tungsten</u>, and <u>Platinum</u>, Journal of Physical Chemistry, Vol. 65, November 1961, p. 1941.
- 763. Scott, G. N., <u>Distribution of Soil Conductivity and Its</u>
  Relation to Underground Corrosion, Journal of American
  Water Works Association, Vol. 52, March 1960, **p.** 378.
- 766. Delahay, P., "Double Layer and Electrode Kinetics," Interscience-Wiley, 1965.
- 767. Conway, B. E., "Theory and Principles of Electrode Processes," Ronald Press, University of Ottawa, 1965.
- 768. Vetter, K. J., "Electrochemical Kinetics," Free University of Berlin, Academic Press, 1967.
- 769. Fontana, M. G., and Greene, N. D., "Corrosion Engineering," Ohio State University and Rensselaer Polytechnic Institute, McGraw-Hill, 1967.
- 770. Steigerwald, R. F., <u>Significance of the Pitting Potential</u>, Philadelphia National Association of Corrosion Engineers Meeting, March 1970.
- 771. France, W. D. Jr., and Greene, N. D., <u>Comparison of Chemically and Electronically Induced Pitting Corrosion</u>, Corrosion, Vol. 26, No. 1, January 1970.
- 772. Bohni, H., and Uhlig, H. H., <u>Effect of Alloyed Re on the Critical Pitting Potentials of 18% Cr/10% Ni Stainless Steels</u>, Corrosion Science, Vol. 9, 1969, pp. 353-355.

- 773. Ambrose, J. R., and Kruger, J., <u>Breakdown of Passive Films</u> on Iron by Chloride Ion, Philadelphia National Association of Corrosion Engineers Meeting, March 1970.
- 774. Brown, B. F., Fujii, C. T., and Dahlberg, E. P., <u>Methods for Studying the Solution Chemistry Within Stress Corrosion Cracks</u>, Journal of the Electrochemical Society, **Vol.** 116, February 1969, p. 218.
- 775. Legault, R. A., Mori, S., and Leckie, H. P., An Electro-chemical-Statistical Study of the Effect of Chemical Environment on the Corrosion Behavior of Mild Steel, National Association of Corrosion Engineers 26th Annual Conference, Philadelphia, March 1970.
- '776. Matsuda, S., and Uhlig, H. H., <u>Effect of pH, Sulfates, and Chlorides on Behavior of Sodium Chromate and Nitrite as Passivators for Steel</u>, Journal of the Electrochemical Society, Vol. 111, 1964, p. 156.
- 777. Foley, R. T., Role of the Chloride Ion in Iron Corrosion, Corrosion, Vol. 26, No. 2, February 1970, pp. 58-69.
- 778. Hudson, J. C., and Watkins, K. O., <u>Tests on the Corrosion of Buried Cast Iron and Mild Steel Pipes</u>, <u>British Iron and Steel Research Association</u>, London, 1968.
- 779. Cleary, H. J., On the Mechanism of the Corrosion of Steel in Saline Water, Journal of Metals, March 1970.
- 780, Pomeroy, Richard D., <u>The Role of Bacteria in Corrosion</u>, Presented at the National Association of Corrosion Ensineers Conference, San Diego, 1969.
- 781. Chandler, K. A,, The Influence of Salts in Rusts on the Corrosion of the Underlying Steel, British Corrosion Journal, Vol. 7, July 1966, pp. 264-266.
- 782, Tanner, A. G., <u>Iron (II) Sulphate in Rust</u>, Chemistry and Industry, 1964, pp. 1027-1028.
- 783, Akiyama, A., Patterson, R. E., and Nobe, Ken, Electrochemical Charactersitics of Iron During Corrosion: Effect of Heat Treatment and Purity, Corrosion, Vol. 26, No. 2, February 1970, pp. 51-56.
- 784. Schmitt, R. J., and Phelps, E. H., <u>Corrosion Performance of Constructional Steels in-Marine Applications</u>, Journal of Metals, March 1970.
- 785. Wilcox, W. R., and Shakhshir, L. J., <u>The Influence of Ozone on Corrosion</u>, University of Southern California, Los Angeles, 1970.

- 786. Wilcox, W. R., Flynn, L., and Nesta, J., Metal-Metal Interactions without Contact. Materials Protection, 1970.
- 787. Couper, A. S., and Gorman, J. W., New Correlations Help Estimate Corrosion of Steels, The Oil and Gas Journal, April 27, 1970.
- 788. Smith, W. H., <u>A Report on Corrosion Resistance of Cast Iron</u> and <u>Ductile Iron Pipe</u>, Cast Iron Pipe News, <u>May-June 1968</u>, p. 16.
- 789. Smith, W. Harry, Soil Evaluation in Relation to Cast-<u>Iron Pipe</u>, Journal of American Water Works Association, Vol. 60, No. 2, February 1968.
- 790. Smith, W. Harry, and Clark, Curtis M., Corrosion of Cast Iron Pipe, Water and Wastes Engineering; June 1968.
- 791. Chandler, K. A., and Shak, B. J., <u>The Assessment of Surface Profile after Blast Cleaning</u>, British Corrosion Journal, Vol. 1, September 1966, pp. 307-316.
- 792. Scott, G. N., Corrosion Protection Properties of Portland Cement, Journal of American Water Works Association, Vol. 57, p. 1038, August 1965.
- 793. Sharpe, L. G., <u>Economic Considerations in Pipe Line Corrosion</u>
  Control, National Association of Corrosion Engineers Conference,
  March 1954.
- 794. Gideon, D. N., Hopper, A. T., and Thompson, R. E., <u>Earth</u>
  Current Effects on Buried Pipelines, Analysis of Observations
  of Telluric Gradients and Their Effects, American Gas Association, Battelle Memorial Institute, April 24, 1970.
- 795. Preliminary Stray-Current Tests, HVDC Power Transmission,
  The Dalles-Los Angeles for Inter-Association Steering
  Committee, Ebasco Services, Inc., New York, November 1969.
- 796. Hayes, T. B., Shrader, W. R., Schilling, R. D., and Silk-worth, G. H., HVDC and Pipeline Protection, A Laboratory Study and Field Tests for the Inter-Association Steering Committee on High Voltage Direct Current Transmission, Cornell, Howland, Hayes & Merryfield, Corvallis, Oregon, 1969.
- 797. Kalich, G. H., Szablya, J. F., Craine, L. B., Greenfield, E. W., and Adams, M. F., <u>Studies on Instrumentation and Modeling Relative to Direct Current Transmission and Buried Structures</u>, Washington State University, Pullman, Washington, <u>September</u> 11, 1968.

- 798. Gideon, D. N., Hopper, A. T., and Wertz, J. B., <u>Earth</u>
  <u>Current Effects on Buried Structures</u>, Battelle Memorial
  <u>Institute</u>, Columbus Laboratories, Columbus, Ohio, January
  31, 1969.
- 799. Osburn, J. D., <u>Subsurface Pipeline Evaluation via Magnetic Technique</u>, White Electromagnetics, Incorporated, Rockville, Maryland, April 1970.
- 800. Phalen, D. I., Vaughan, D. A., Tripler, A. B. Jr., Boyd, W. K., and Schwartz, C. M., <u>Structural Changes in High-Strength Steel Associated with Stress Corrosion and Its Relationship to Delayed Failure</u>, AD-468171, Battelle Memorial Institute, July 1965.
- 812. Peters, Philip H., Stone, Evereth E., and Bialous, A. J., "Leakage Testing Handbook," General Electric Company, Schenectady, New York, July 1969, 624 pp.
- 5000. Harris, J. O., <u>Bacteria</u>, <u>Oxygen</u>, and <u>Soil Relationships</u> in <u>Corrosion</u>, Kansas State University, Collection of Papers on Underground Corrosion, Vol. 8, 1964, pp. 1-29.
- 5023. Harris, J. O., <u>Bacterial Activity in Concentration Cell</u>
  <u>Formation</u>, Kansas State University, A Collection of Papers
  on Underground Pipeline Corrosion, Vol. 7, 1963, pp. 113-127.
- 5024. Harris, J. O., <u>Bacterial Growth, Unbonding of Protective Coatinus</u>, and <u>Cathodic Protection Failure</u>, Kansas State University, A Collection of: Papers on Underground Pipeline Corrosion, Vol. 7, 1963, pp. 129-147.
- 5025. Harris, J. O., <u>Soil Microorganisms in Relation to Cathodically Protected Pipe</u>, Kansas State University, A Collection of Papers on Underground Pipeline Corrosion, Vol. 7, 1963, pp. 149-158.
- 6171. Report on Surface Preparation of Steels for Organic and Other Protective Coatings, National Association of Corrosion Engineers Committee TP-6G, Publication 53-1, 1953.
- 6172. Ringer, F. W., and Sudrabin, L. P., <u>Some Observations on Cathodic Protection Criteria</u>, National Association of Corrosion Engineers Technical Committee Report, Publication 57-15, 1957.
- 6173. Suggested Coating Specifications for Hot Application of Coal Tar Enamel for Marine Environments, National Association of Corrosion Engineers Committee T-IM, Publication 57-8, 1957.
- 6174. Suggested Painting Specifications for Marine Environments, National Association of Corrosion Engineers Committee T-IM, Publication 57-7, 1957.

- 6175. Statements on Minimum Requirements for Protection of Buried Pipelines, National Association of Corrosion Engineers Technical Unit Committee T-2, Publication 56-15, 15%, 1956.
- 6176. Criteria for Adequate Cathodic Protection of Coated, Buried, or Submerged Steel Pipe Lines and Similar Steel Structures, National Association of Corrosion Engineers Technical Unit Committee T-2C, Publication 58-15, 158, 1958.
- 6177. Tentative Recommended Specifications and Rractices for Coal Tar Coatings for Underground Use, National Association of Corrosion Engineers Technical Unit Committee T-2G, 156, 1957.
- First Interim Report. Tentative Specifications for Asphalt

  Type Protective Coatings for Underground Use, National Association of Corrosion Engineers Technical Unit Committee T-2H,

  Publication 57-11, 15'8, 1957.

7

- 6179. Second Interim Report. Tentative Specifications for Asphalt Type Protective Coatings for Underground Pipe Lines Mastic Systems, National Association of Corrosion Engineers Technical Unit Committee T-2H, Publication 57-14, 1957.
- 6180. Tentative Recommended Specifications for Asphalt Type Protective Coatings for Underground Pipe Lines, National Association of Corrosion Engineers Technical Unit Committee T-2H, Publication 58-12, 1958.
- 6181. Tentative Recommended Specifications and Practices for Prefabricated Plastic Films for Pipeline Coating, National Association of Corrosion Engineers Technical Unit Committee T-2K, Publication 61-12, 161, 1961.
- 6182. Tentative Recommended Minimum Requirements for Hot Applied
  Wax Type Protective Coatings and Wrappers for Underground
  Pipelimes, National Association of Corrosion Engineers Technical Unit Committee T-2L, Publication 61-11, 161, 1961.
- 6183. Davie, F. E., and Hill, P. W., <u>Survey of Corrosion Control</u> in <u>California Pumping Wells</u>, National Association of Corrosion Engineers Conference, Kansas City, Missouri, March 1954.
- 6184. Current Status of Corrosion Mitigation Knowledge on Sweet
  Oil Wells, National Association of Corrosion Engineers Technical Unit Committee T-1C, 1955.
- 6185. Caldwell, J. S., <u>Sour Oil Well Corrosion</u>, National Association of Corrosion Engineers Technical. Practices Committee Report, 1952.
- 6186. Some Corrosion Inhibitors A Reference List, National Association of Corrosion Engineers Technical Unit Committee T-3A, Publication 55-3, 1955.

- 6187. <u>Stray Current Electrolysis</u>, National Association of Corrosion Engineers Technical Unit Committee T-4B, Publication 57-1, 1957.
- 6188. <u>Specifications for Asbestos Pipeline Felt</u>, National Association of Corrosion Ensineers Technical Unit Committee T-2J, 362. 1962.
- 6189. Some Observations of Cathodic Protection Potential Criteria in Localized Pitting, National Association of Corrosion Engineers Technical Unit Committee T-2C, Publication 54-2, 154, 1954.
- 6190. Specifications for Fibrous Glass, Reinforced Type Underground Pipe Wrap, National Association of Corrosion Engineers Technical Unit Committee T-2J-2, 162, 1962.
- 6191. Methods for Measuring Leakage Conductance of Coating on Buried or Submerged Pipe Lines, National Association of Corrosion Engineers Technical Unit Committee T-2D, Publication 57-27, 1957.
- 6192. Specifications for Bituminous Saturated Glass Pipe Wrap, National Association of Corrosion Engineers Technical Unit Committee T-2J, 162, 1962.
- 6193. Review of Survey Made on Oil and Gas Well Corrosion Costs, National Association of Corrosion Engineers Technical Unit Committee T-1H, 1963.
- 6966. Control of External Corrosion on Underground or Submerged Metallic Piping Systems, National Association of Corrosion Engineers Technical Practices Committee. NACE Standard RP-01-69, 1969.